

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/003992

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D1/835 C11D1/62 C11D1/72

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/035053 A1 (DECLERCQ MARC JOHAN ET AL) 21 March 2002 (2002-03-21) examples	1-10
X	WO 92/15745 A (PROCTER & GAMBLE) 17 September 1992 (1992-09-17) examples	1-10
X	WO 01/04254 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL)) 18 January 2001 (2001-01-18) examples 7-9,11,15-28	1-10
X	US 4 045 361 A (WATT JR DAVID M ET AL) 30 August 1977 (1977-08-30) column 13, lines 48-53	1-10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

2 July 2004

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PCT/EP2004/003992

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 928 213 A (TEMPLE ROBERT DWIGHT ET AL) 23 December 1975 (1975-12-23) column 8, lines 4-32	1-10
X	US 5 409 621 A (ELLIS SIMON R ET AL) 25 April 1995 (1995-04-25) column 3, lines 29-57 column 3, lines 58-67; claims	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003992

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002035053	A1	21-03-2002	WO 9909122 A1 AU 4231497 A BR 9714821 A CA 2300403 A1 EP 1009788 A1 JP 2001515151 T	25-02-1999 08-03-1999 22-08-2000 25-02-1999 21-06-2000 18-09-2001
WO 9215745	A	17-09-1992	AU 1444592 A CN 1064717 A , B CZ 9301846 A3 DE 69128915 D1 DE 69128915 T2 EP 0503221 A1 ES 2112857 T3 HU 66690 A2 IE 920735 A1 MX 9200990 A1 NZ 241862 A PT 100210 A SK 95593 A3 WO 9215745 A1 US 5484540 A	06-10-1992 23-09-1992 16-03-1994 19-03-1998 17-09-1998 16-09-1992 16-04-1998 28-12-1994 09-09-1992 01-09-1992 24-02-1995 31-05-1993 11-05-1994 17-09-1992 16-01-1996
WO 0104254	A	18-01-2001	AU 5974800 A BR 0012162 A CA 2378114 A1 CN 1378588 T WO 0104254 A1 EP 1190035 A1 US 6432911 B1 ZA 200200099 A	30-01-2001 19-03-2002 18-01-2001 06-11-2002 18-01-2001 27-03-2002 13-08-2002 06-01-2003
US 4045361	A	30-08-1977	BE 842082 A1 CA 1074964 A1 DE 2622014 A1 FR 2311884 A1 GB 1545285 A IT 1091551 B JP 1343644 C JP 52005394 A JP 59047753 B NL 7605451 A	22-11-1976 08-04-1980 02-12-1976 17-12-1976 02-05-1979 06-07-1985 29-10-1986 17-01-1977 21-11-1984 23-11-1976
US 3928213	A	23-12-1975	AT 347552 B AT 239574 A BE 812785 A1 CA 1024703 A1 CA 1027713 A1 CH 603788 A5 DE 2413042 A1 FR 2222476 A1 GB 1459935 A IT 1005781 B JP 50035495 A NL 7403897 A	10-01-1979 15-05-1978 25-09-1974 24-01-1978 14-03-1978 31-08-1978 10-10-1974 18-10-1974 31-12-1976 30-09-1976 04-04-1975 25-09-1974
US 5409621	A	25-04-1995	US 5516437 A AU 652429 B2	14-05-1996 25-08-1994

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/003992

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5409621	A	AU 1312592 A	01-10-1992
		BR 9201017 A	24-11-1992
		CA 2063463 A1	26-09-1992
		DE 69207624 D1	29-02-1996
		DE 69207624 T2	30-05-1996
		DE 69211203 D1	11-07-1996
		DE 69211203 T2	10-10-1996
		EP 0507478 A1	07-10-1992
		EP 0506312 A1	30-09-1992
		ES 2088542 T3	16-08-1996
		ES 2083084 T3	01-04-1996
		JP 2937306 B2	23-08-1999
		JP 5106166 A	27-04-1993
		ZA 9202173 A	27-09-1993
		AU 662536 B2	07-09-1995
		AU 1968092 A	21-01-1993
		BR 9202670 A	23-03-1993
		CA 2073517 A1	16-01-1993
		CZ 9202183 A3	17-02-1993
		DE 69214038 D1	31-10-1996
		DE 69214038 T2	06-02-1997
		EP 0523922 A2	20-01-1993
		ES 2092051 T3	16-11-1996
		HU 62043 A2	29-03-1993
		IN 176962 A1	12-10-1996
		JP 3061223 B2	10-07-2000
		JP 5195434 A	03-08-1993
		KR 9509498 B1	23-08-1995
		PL 295287 A1	05-04-1993
		SK 218392 A3	08-02-1995
		ZA 9205272 A	17-01-1994